sense (310)

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Sense (310)

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antisense

(315)

320 (2nt 3' DS portion 300 (315)

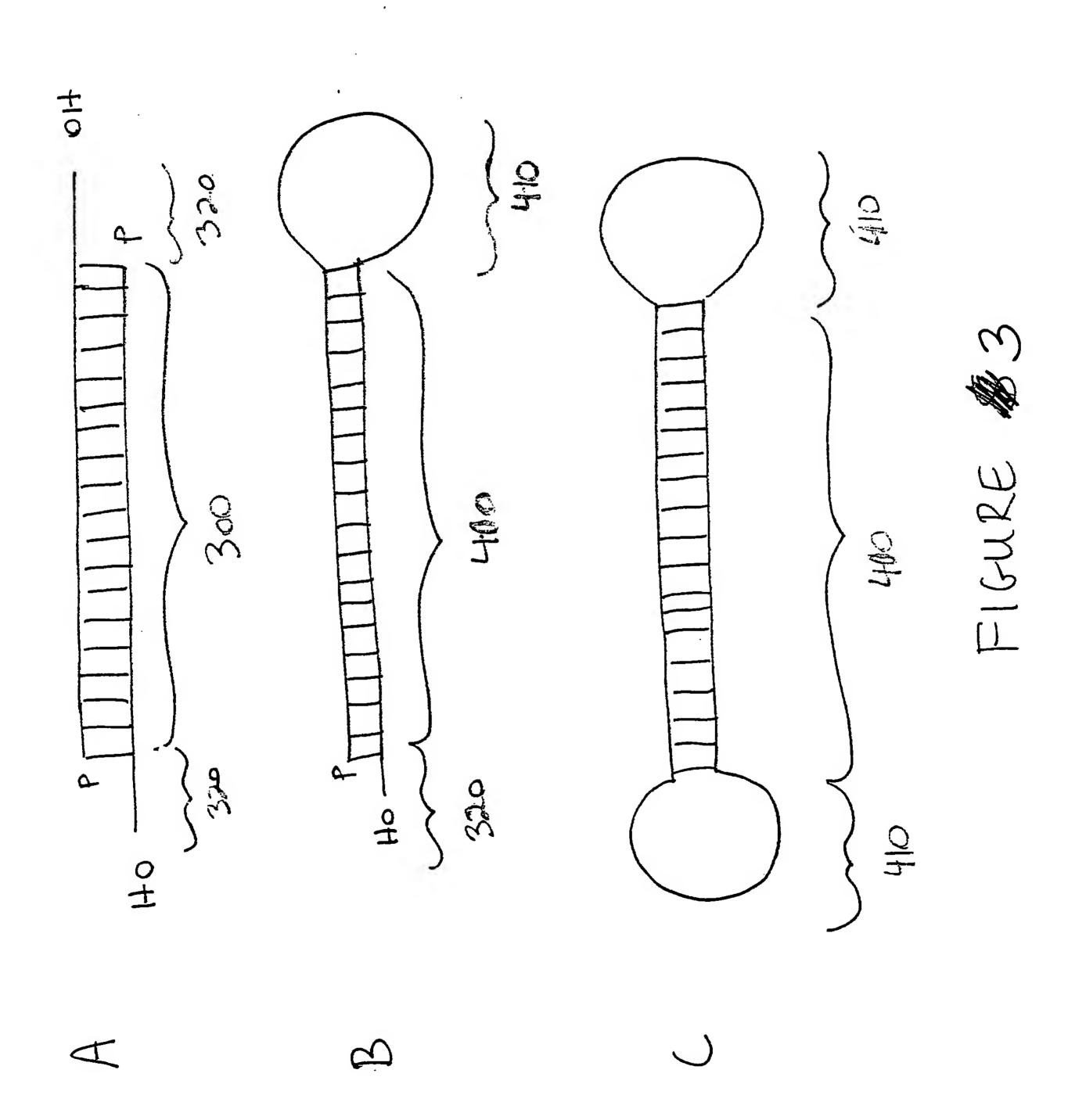
overhang)

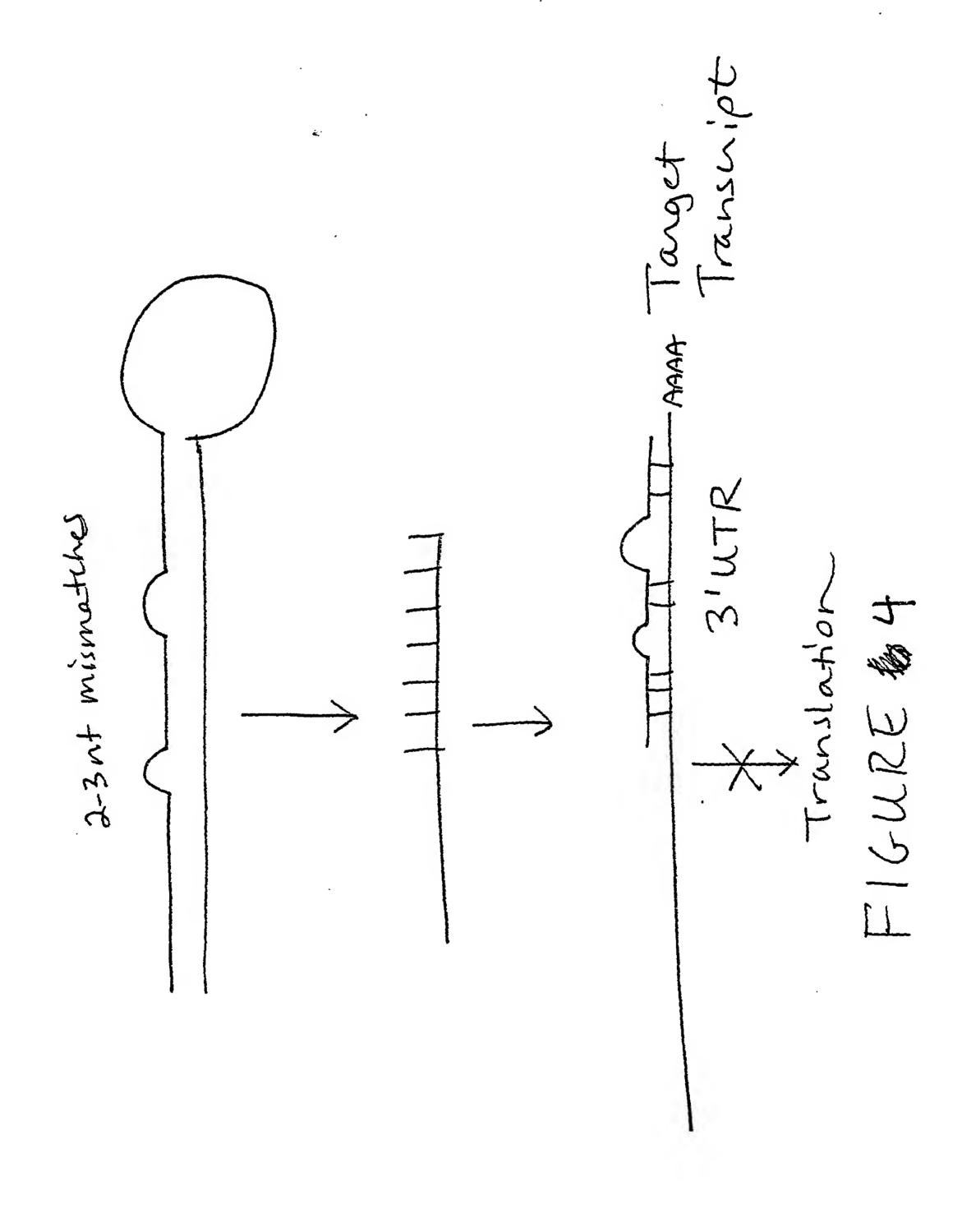
(core region)

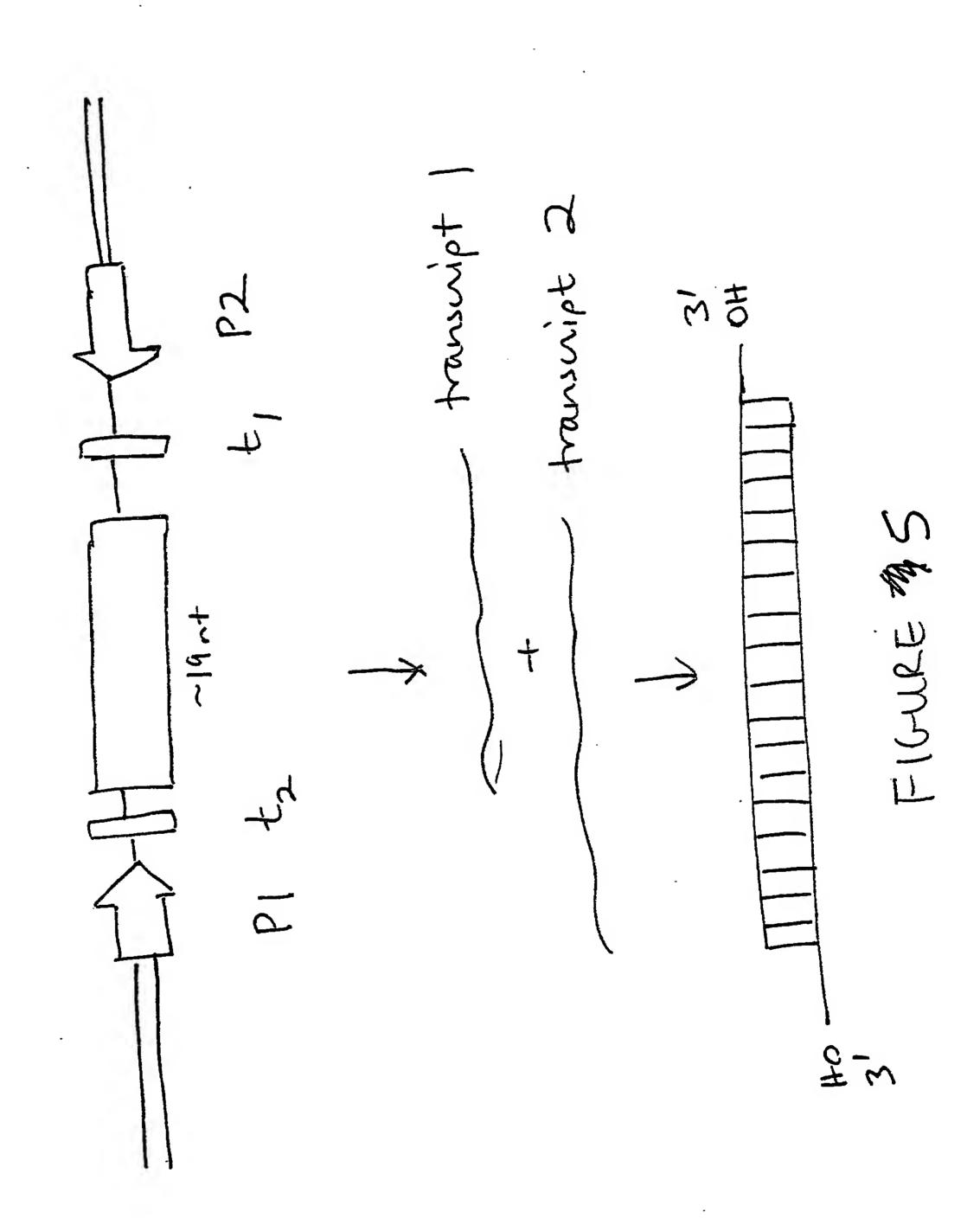
FIGURE 3

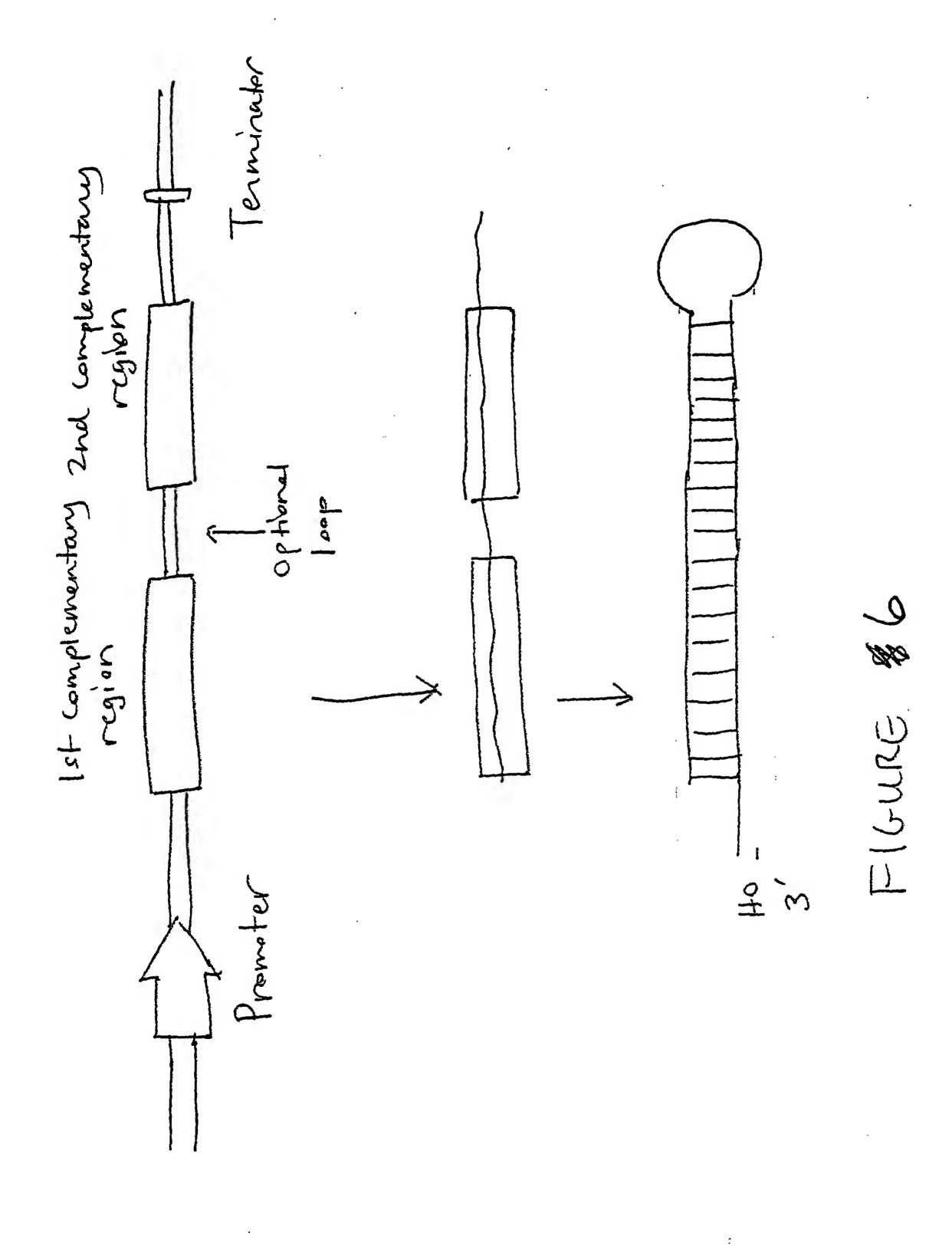
MENT long deRNA MRNA AAAA AAAA by SIRNA slicing of MRNA RISC Complex transmipt degradation Drosophila Helicase? RNAL =7(5) bbb(2)/z m7665/ppp15/16-

Flower # 2





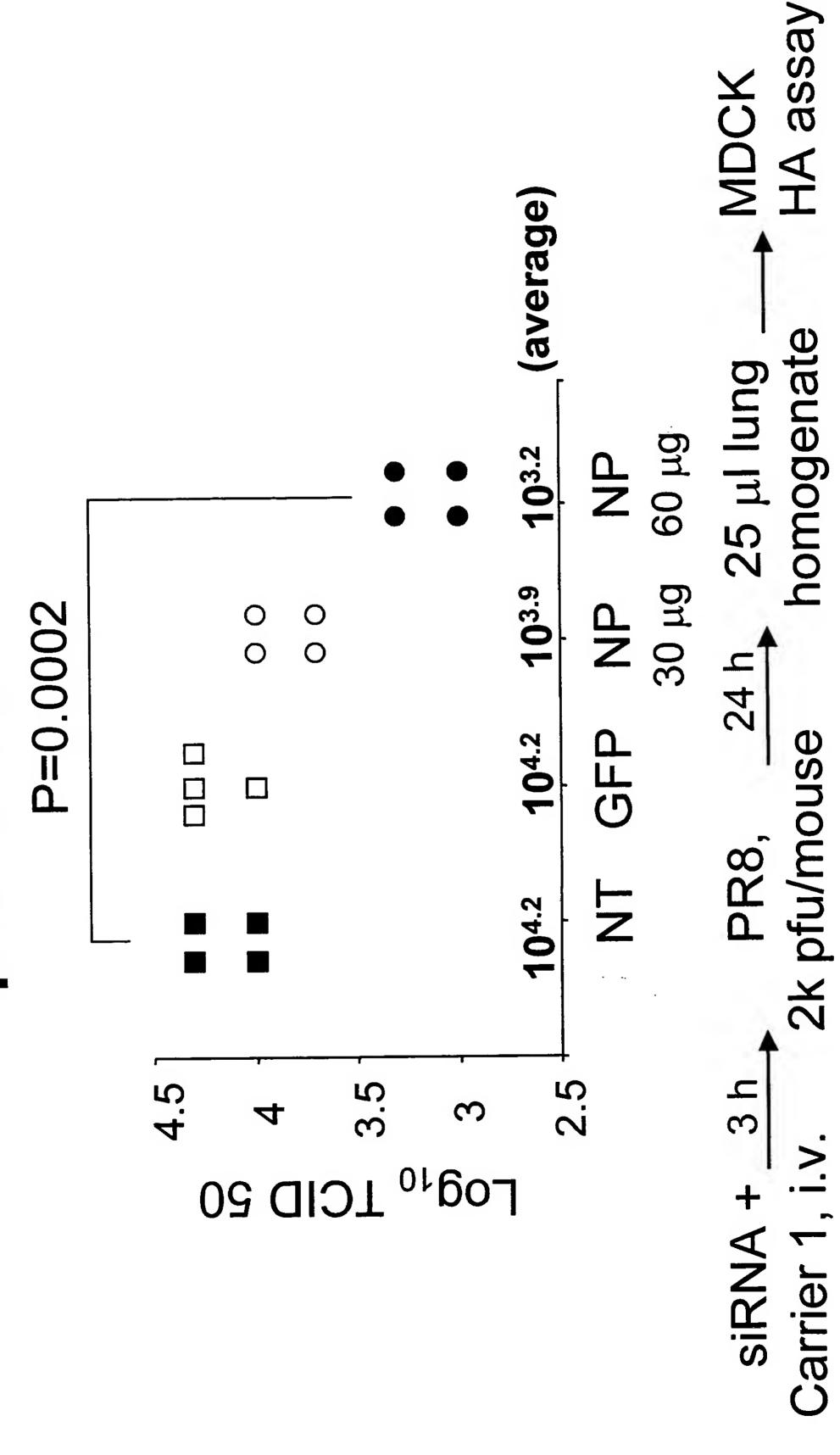




Α SECIDNO: 28 NP-1496 dtdtccuagaauaaagaagccuc SEC ID No: cadaa danchannichacaaaa acsa NP-1496H SEQ ID No: 55 30 guccc ccuagaauaaagaagccuca ccu SEQ ID No: 43 31 vgcgcvccuggacguagcudtdt **GFP-949** 11.11.11.11.11.11.11.11.1 dtdtacgcgaggaccugcaucgg SEQ ID No: E 32 cadaa nacacneeracarsacea, SEQIDNO: 5 33 **GFP-949H** 11111 1111111111111111111111 anced accessage condesseds В NP-1496H cadad dasnonasnincaasa cadad nacancendascanades cadad nacancendascanades SEQIDNO: 34 guece cenadaanaaadaadeene a cenancedaadaacenacaneada cen **GFP-949H** NP-1496H anced bededadaecndeaneda con ancec constantanticine de constantanticion de constantanticine de constantanticion de constantanticine de constantanticion de constantanticine de constantanticion de constantanticine de constantanticion de constantanticine de constantant SEQIDNOI E 35 C **pSLOOP III** H1 promoter NP-1496H term or GFP-949H GFP-949H term H1 promoter NP-1496H H1 promoter NP-1496H term H1 promoter GFP-949H

Figure \$ 7

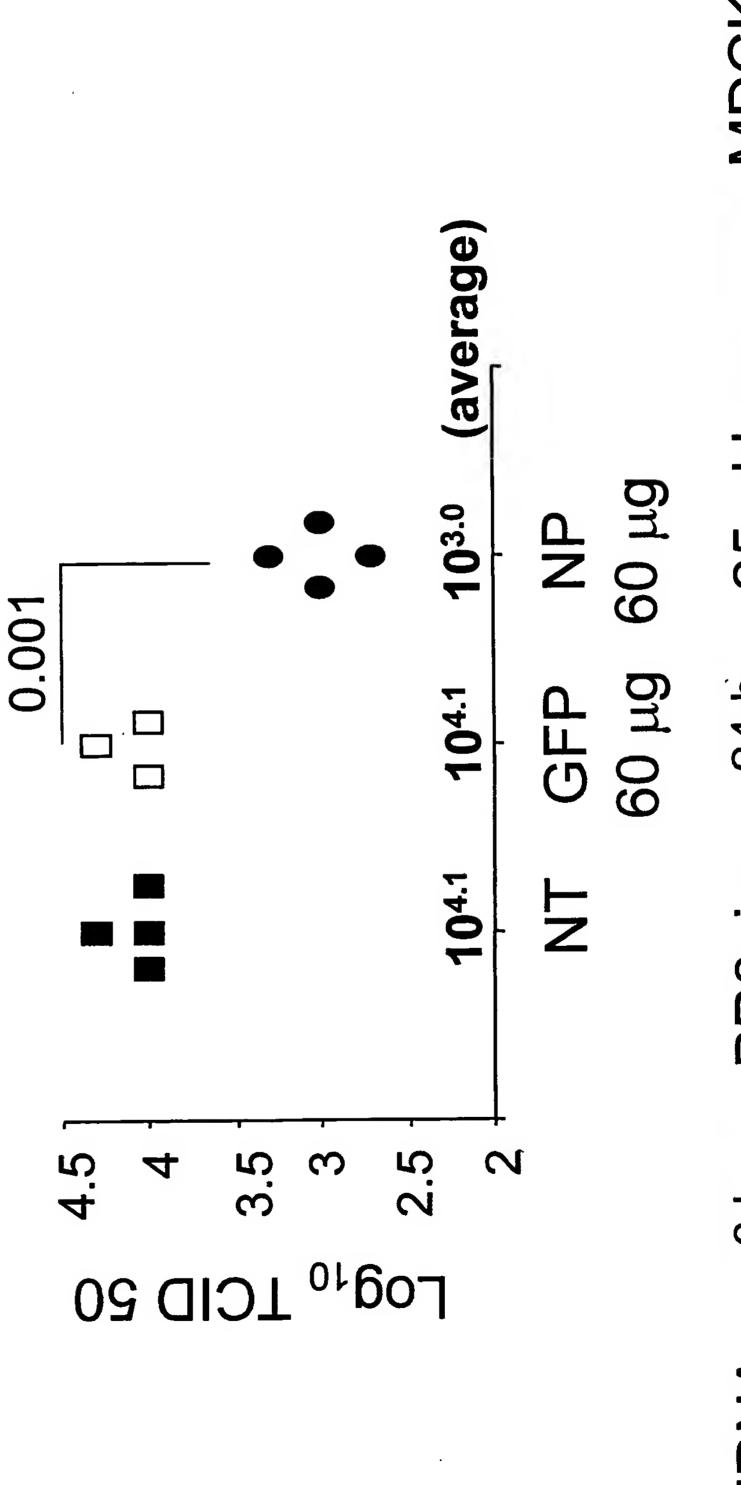
4 prevent influenza virus production in mice SIRN



84

FINDE

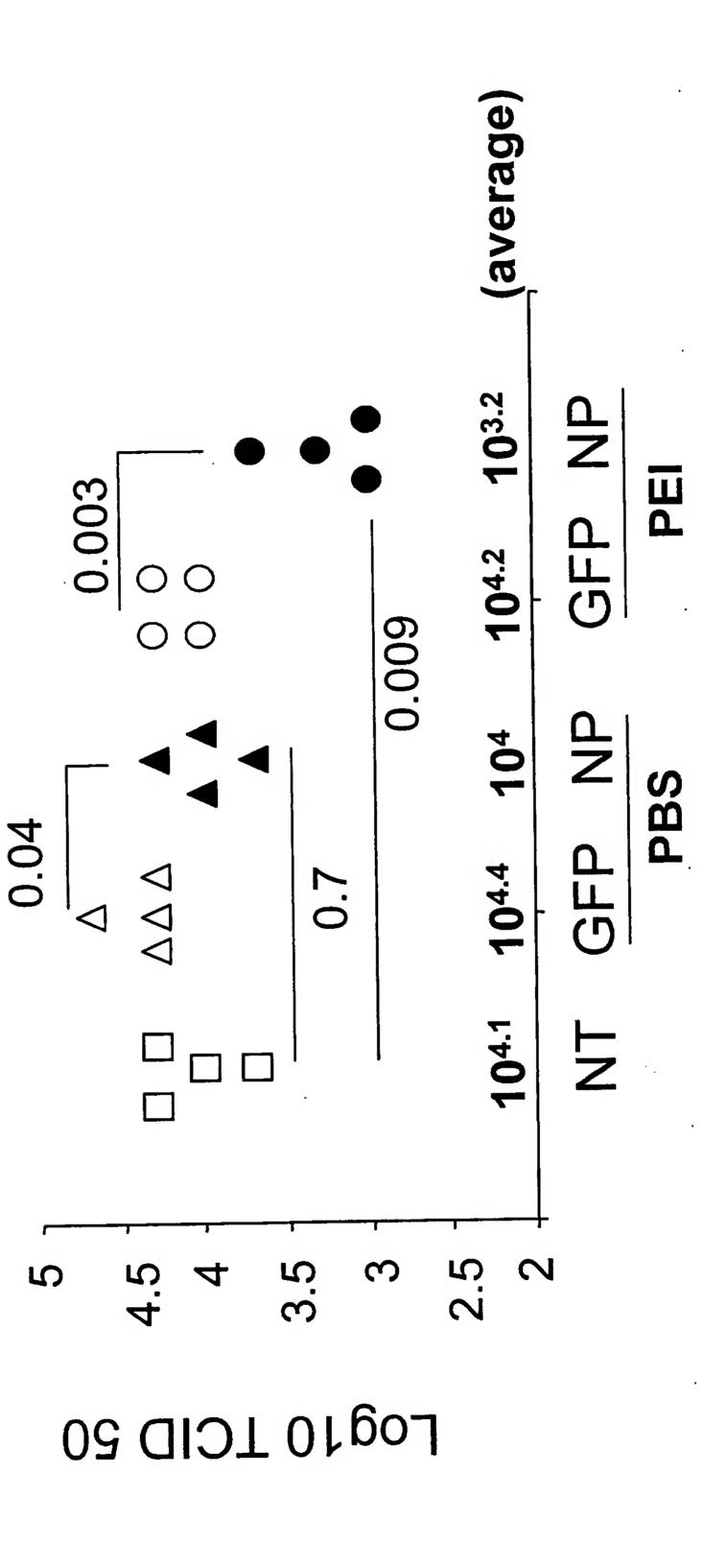
Transfection Effect of -L-Lysine (42K) Poly The in vivo



HA assay MDCK homogenate 25 μl lung i.n. 24 h /mouse PR8, 12k pfu/ 37 siRNA +

FIGURE 8B

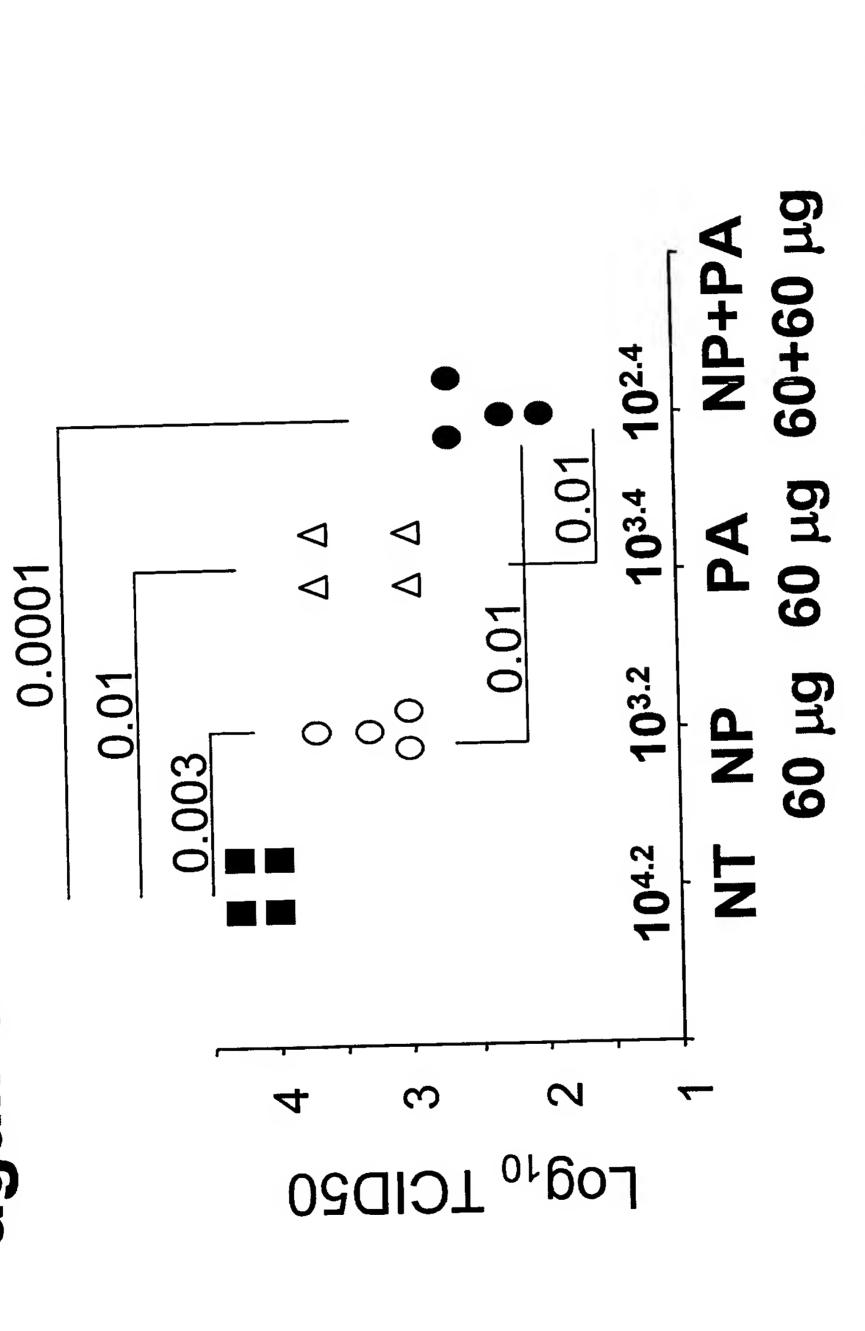
sirna Prevent Influenza Virus oduction in vivo



HA assay MDCK homogenate 25 µl lung PR8, i.n. 24 h n/monse 12k pfu 3 h siRNA -/+_ PEI, i.v.

FIGURE 8C

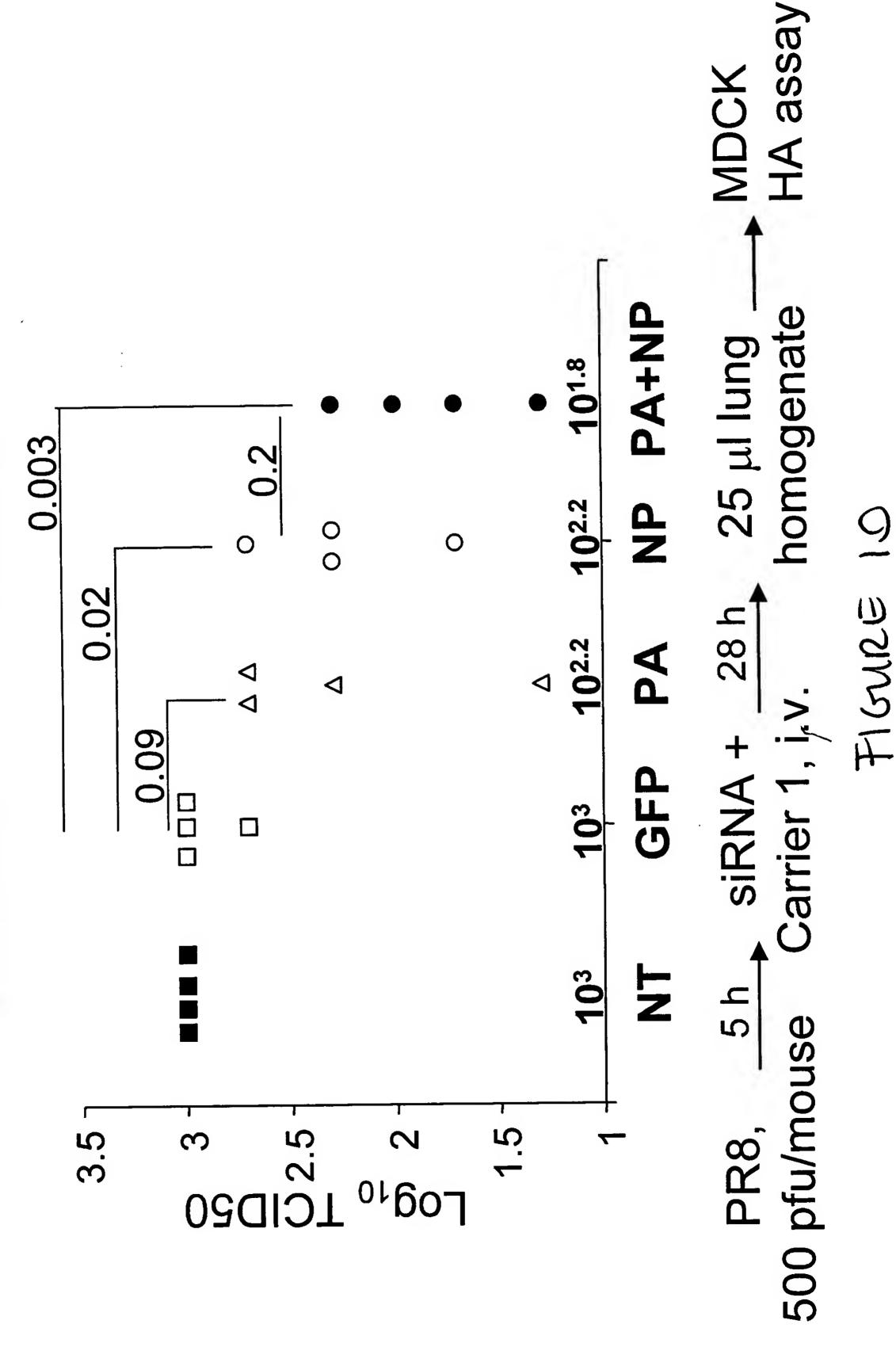
Additive/synergistic effect of siRNA nfluenza virus in mice against i



HA assay MDCK homogenate 25 ul lung 24 h 2k pfu/mouse **R8**, 3 h siRNA + Carrier 1,

FIRMER 9

A inhibit influenza virus on in infected mouse SIRN **Producti**



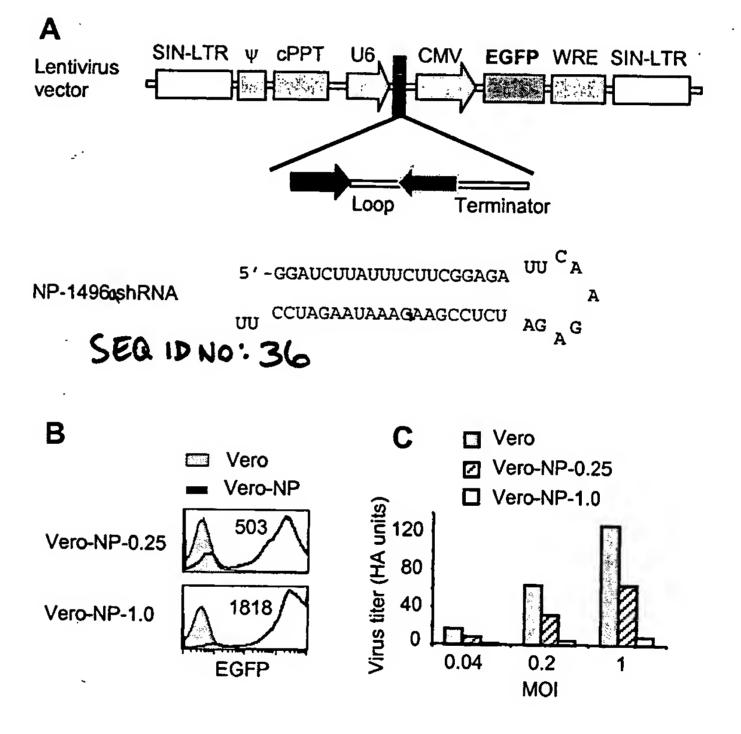


FIGURE 11

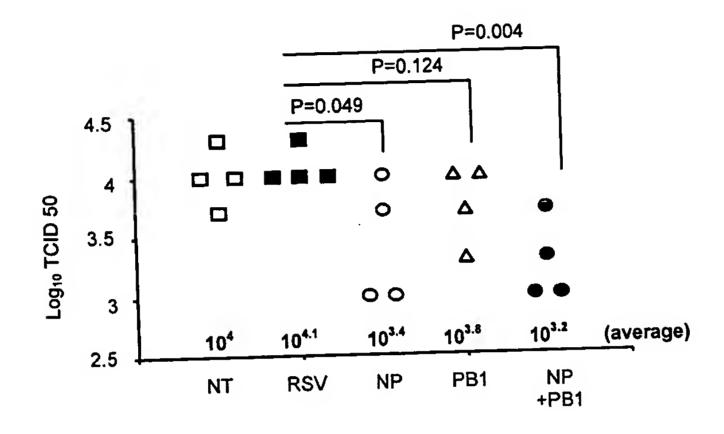


FIGURE 12

tic retardation of siRNA with poly-L-lysine Electrophore

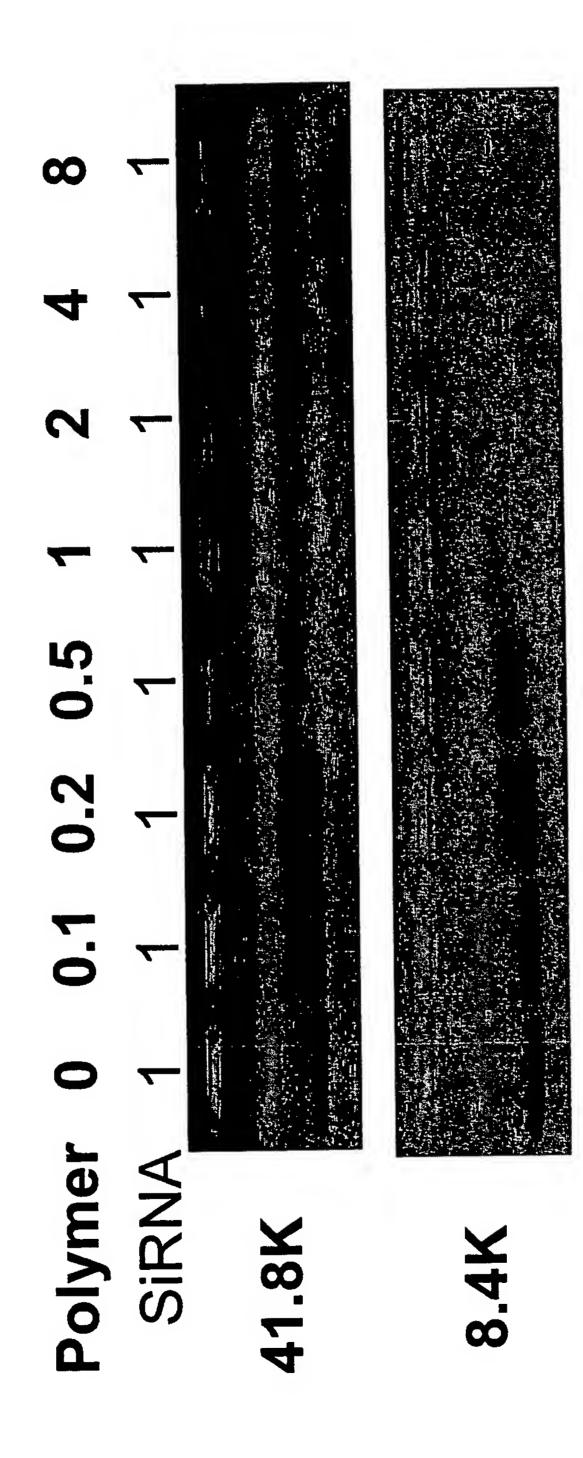


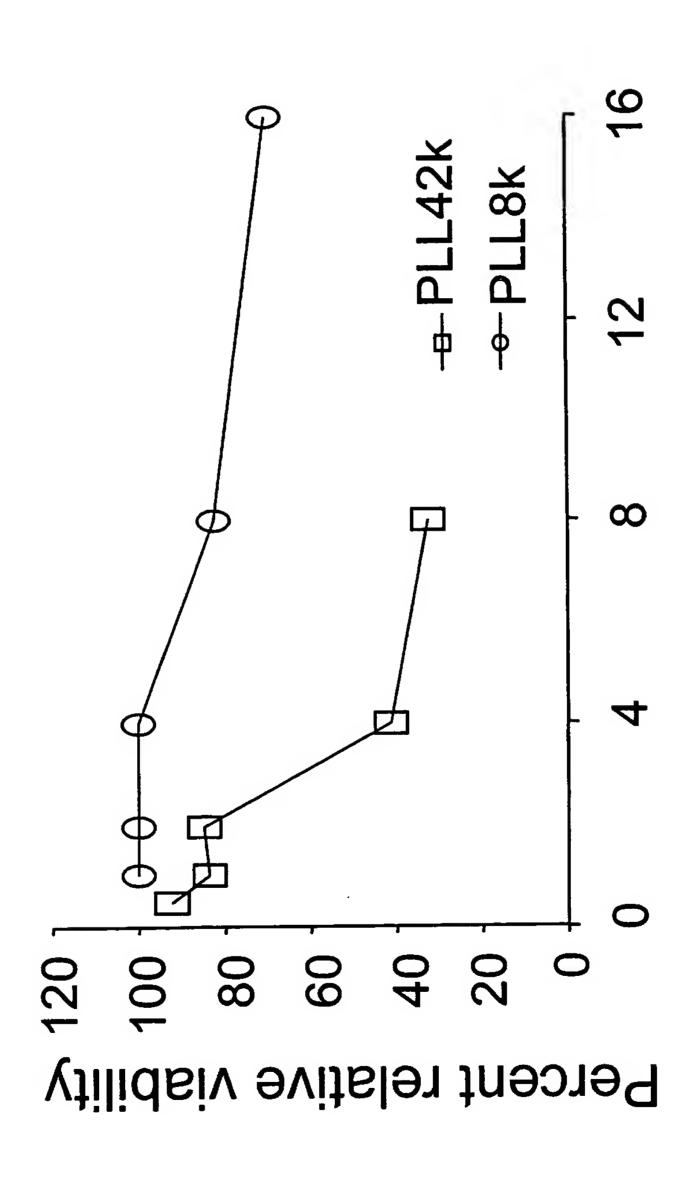
FIGURE 13A

tic retardation of siRNA poly-L-arginine Electrophoret with

0.02 SIRNA PLA

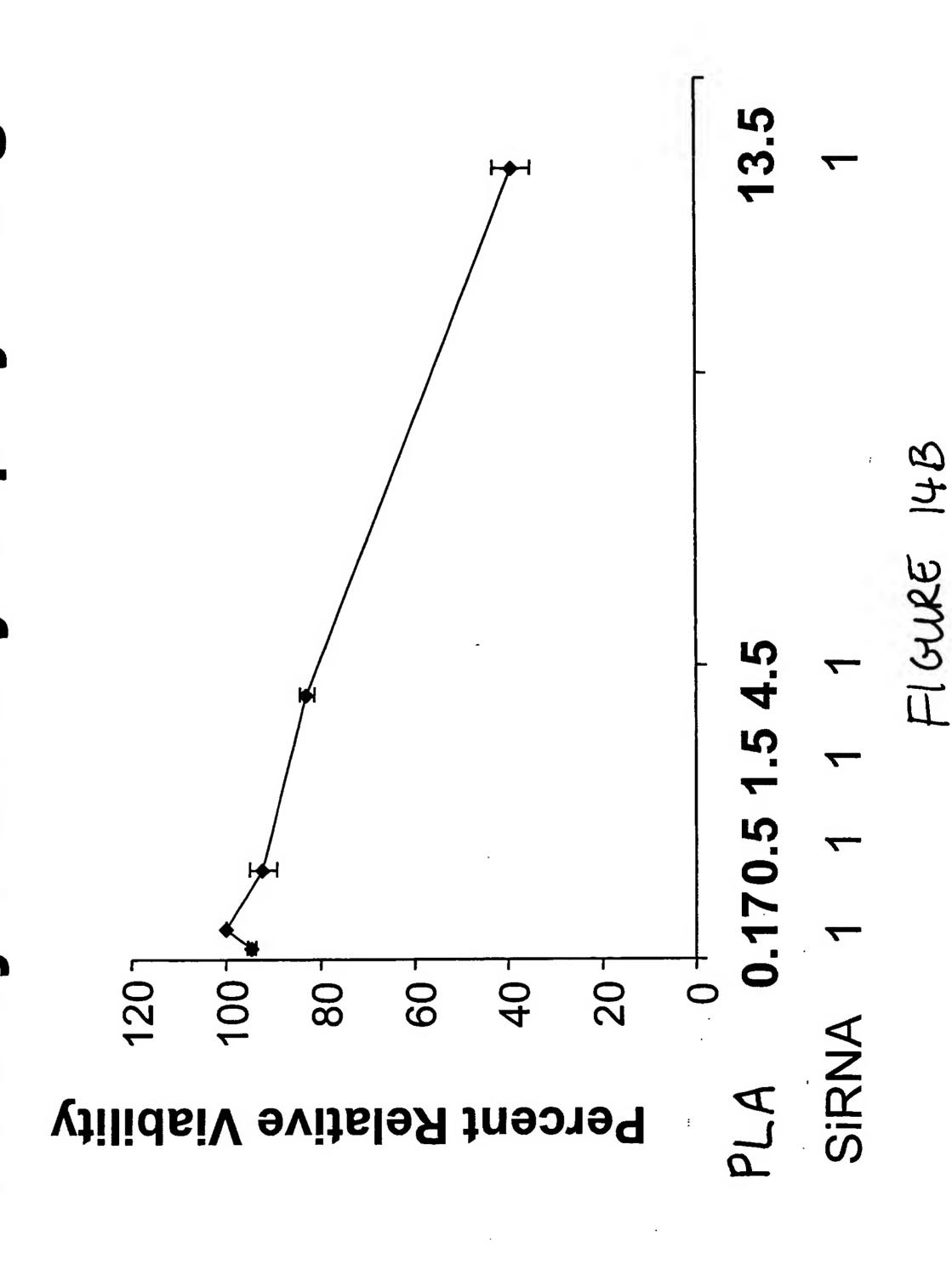
Flower 13B

of poly-L-lysine with molecular weight Comparison different

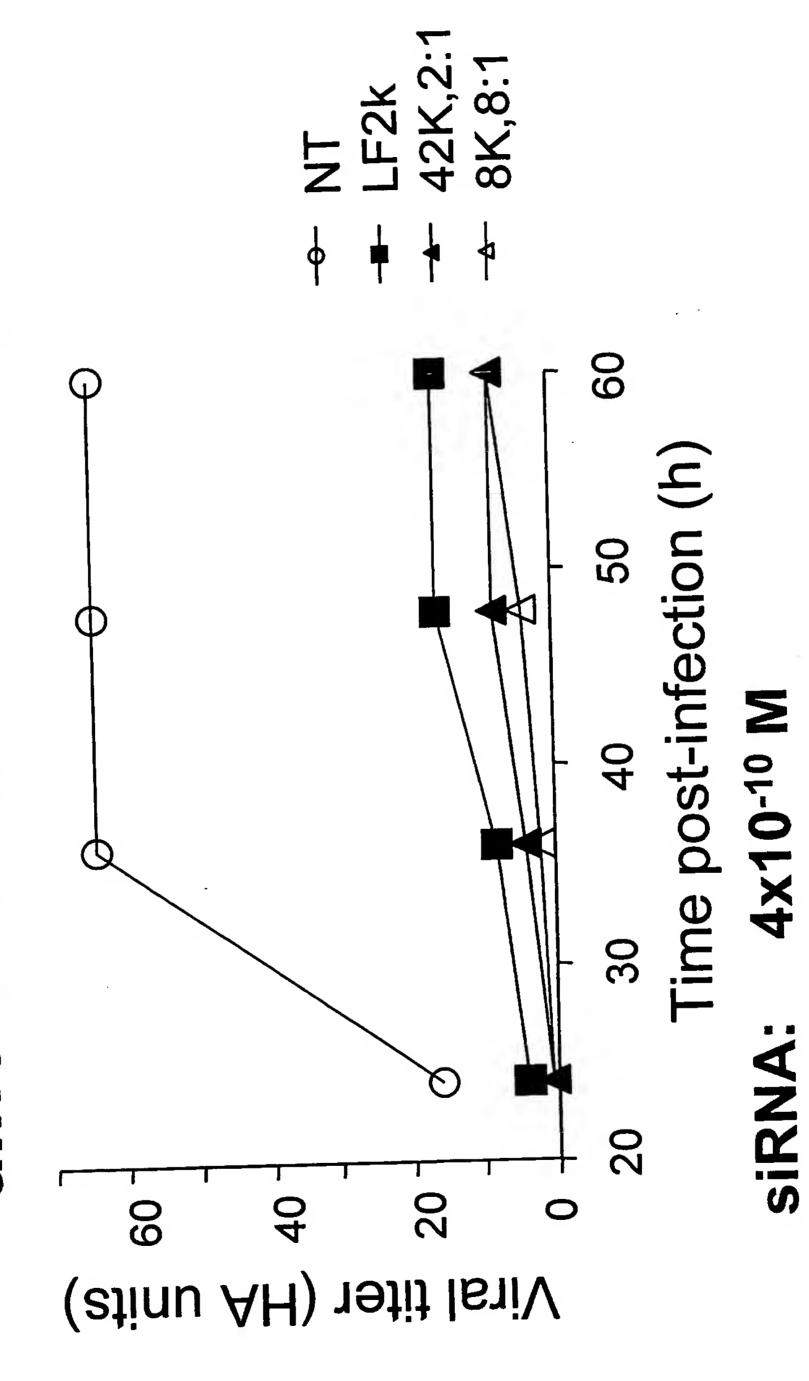


Flower 14A

PLL:siRNA ratio



of poly-L-lysine with molecular weight Comparison different



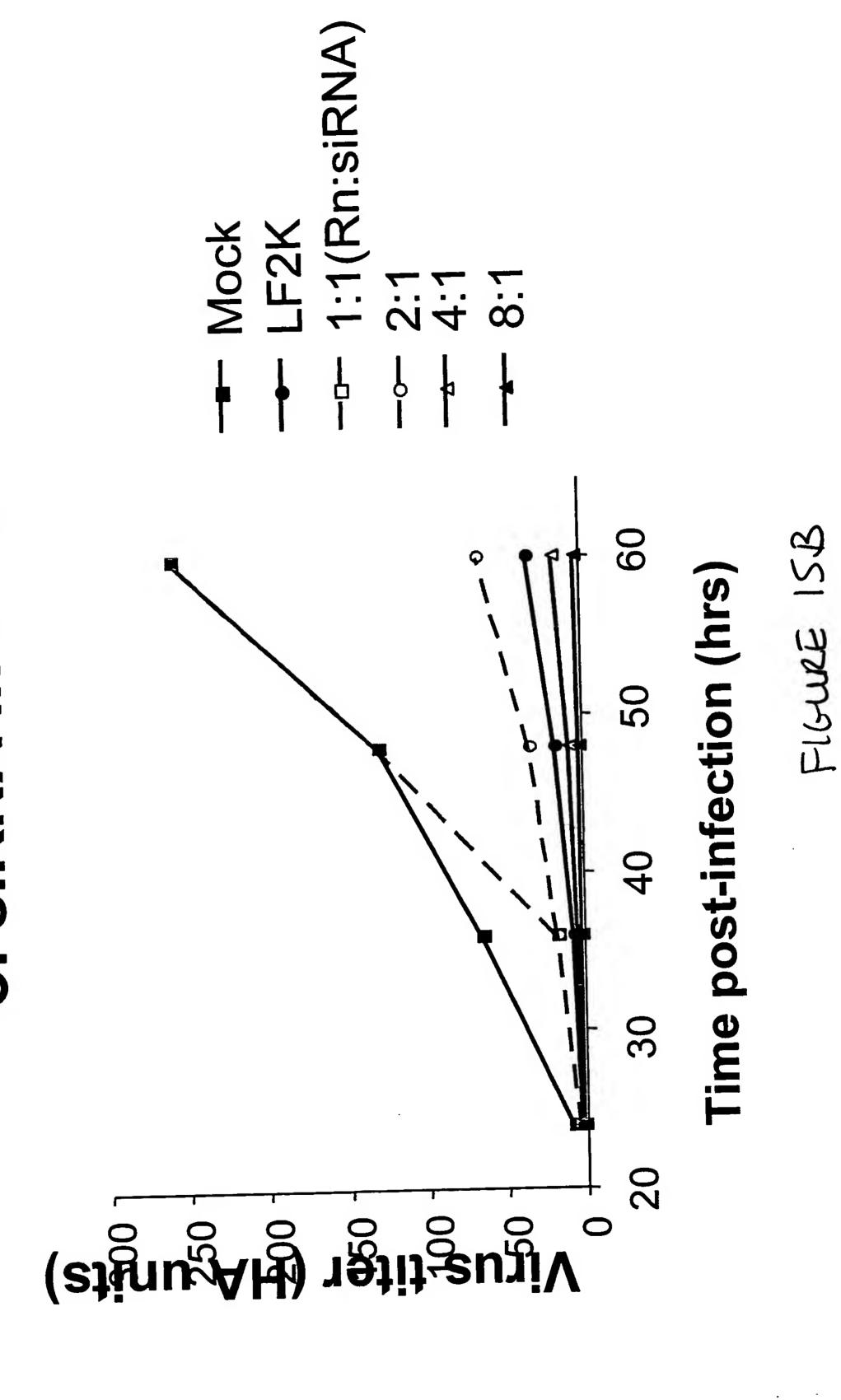
57×10-10 M FIGURE 15A

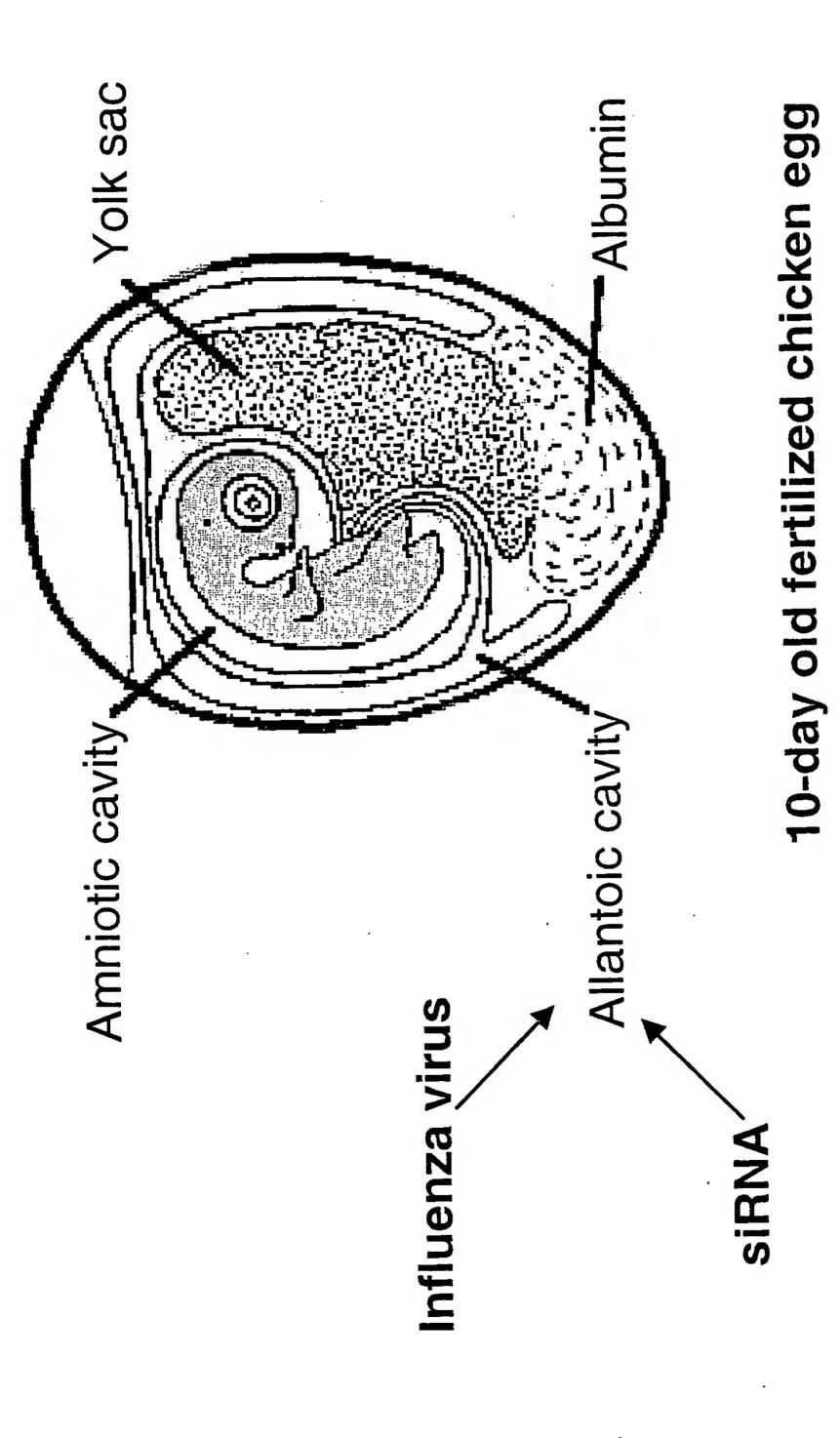
8.4K PLL:

2.9×10-10 M

42K PLI

Poly-L-arginine helps cellular uptake of siRNA in vitro





Flower 164

ibition of influenza A ation in chicken embryos The inhibition virus replication

